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PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Inventor: Teng Xu et al. ) Examiner: Unknown  
Serial No: 09/615,545 ) Art Unit: 1754  
Filed: July 13, 2000 ) Attorney Docket No. EXMC.90856  
Title: CATALYST PRETREATMENT )  
IN AN OXYGENATE TO )  
OLEFINS REACTION SYSTEM )

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CERTIFICATE OF MAILING  
37 C.F.R. 1.8

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*Teresa Dennis*  
Signature

REVOCATION AND POWER OF ATTORNEY

Exxon Chemical Patents Inc. hereby revokes all previous powers of attorney and appoints as its attorneys to transact all business in the Patent and Trademark Office connected with the above-identified patent application, Shook, Hardy & Bacon L.L.P., and the following attorneys of that firm: William B. Kircher, Reg. No. 22,481; James H. Marsh, Jr., Reg. No. 24,533; J. David Wharton, Reg. No. 25,717; Joseph B. Bowman, Reg. No. 25,807; Peter W. Gowdey, Reg. No. 25,872; Richard R. Johnson, Reg. No. 27,452; Walter R. Brookhart, Reg. No. 29,518; James H. Riley, II, Reg. No. 31,131; Joan Optican Herman, Reg. No. 31,968; Michael B. Hurd, Reg. No. 32,241; Richard D. Jordan, Reg. No. 33,519; Michael J. Gross, Reg. No. 35,528; William P. Jensen, Reg. No. 36,833; Chris Murphy, Reg. No. 39,786; Daniel W. Shinn, Reg. No. 40,810; B. Trent Webb, Reg. No. 40,865; Susan J. Wharton, Reg. No. 41,524; Scott B. Strohm, Reg. No. 42,172; Janine A. Carlan, Reg. No. 42,387; Clinton G. Newton, Reg. No. 42,930; John K. Hsu, Reg. No. 45,563; Ladi Shogbamimu, Reg. No. 46,291; Dennis Danella, Reg. No. 46,653; Tawni L. Wilhelm, Reg. No. 47,456; Daniel P. Devers, Reg. No. 47,523; Greg S. Donahue, Reg. No. 47,531; Justin Krieger, Reg. No. 47,719; Marshall Honeyman, Reg. No. 48,114; Bart A. Starr, Reg. No. 48,386; and Jean M. Guignon, Reg. No. 48,538.

All correspondence regarding the above applications should be addressed to:  
ExxonMobil Chemical Company, P.O. Box 2149, Baytown, Texas 77522; telephone (281) 834-1978.

Statement under 37 CFR 3.73(b) is attached.

Dated: November 30, 2001

*James Sher*  
Jaimes Sher, Secretary  
Exxon Chemical Patents Inc.



**CERTIFICATE UNDER 37 CFR 3.73(b)**

Inventor: Teng Xu et al.

Application No: 09/615,545

Filed: 07/13/00

Entitled: Catalyst Pretreatment in an Oxygenate to Olefins Reaction System

Exxon Chemical Patents Inc., a corporation, certifies that it is:

1. ☒ the assignee of the entire right, title, and interest; or
2. ☐ an assignee of an undivided part interest

in the patent application identified above by virtue of either:

- A. ☒ An assignment from the inventor(s) of the patent application identified above. The assignment was recorded in the Patent and Trademark Office at Reel \_\_\_\_\_, Frame \_\_\_\_\_, or for which a copy thereof is attached.

OR

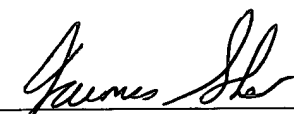
- B. ☐ A chain of title from the inventor(s), of the patent application identified above, to the current assignee as shown below:

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☐ Copies of assignments or other documents in the chain of title are attached.

The undersigned (whose title is supplied below) is empowered to sign this certificate on behalf of the assignee.

November 30, 2001  
Date

  
James Sher, Secretary  
Exxon Chemical Patents Inc.

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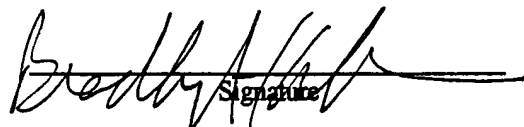
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Patent and Trademark Office**RECORDATION FORM COVER SHEET  
PATENTS ONLY**

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<b>3. Nature of conveyance:</b> <input checked="" type="checkbox"/> Assignment <input type="checkbox"/> Merger <input type="checkbox"/> Security Agreement <input type="checkbox"/> Change of Name <input type="checkbox"/> Other Execution Date: <u>August 2, 2000</u> <u>July 26, 2000</u>		<b>4. Application number(s) or patent number(s):</b>  If this document is being filed together with a new application, the execution date of the application is: <u>JAN 22 2002</u> <u>TC 1700</u> <table border="1"><tr><td><b>A. Patent Application No.(s)</b> 09/615,545</td><td><b>B. Patent No.(s)</b></td></tr></table> Additional numbers attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		<b>A. Patent Application No.(s)</b> 09/615,545	<b>B. Patent No.(s)</b>
<b>A. Patent Application No.(s)</b> 09/615,545	<b>B. Patent No.(s)</b>				
<b>5. Name and address of party to whom correspondence concerning documents should be mailed:</b>  Name: <u>Bradley A. Keller</u> Internal Address: <u>ExxonMobil Chemical Company</u> <u>Law Technology</u> Mailing Address: <u>P.O. Box 2149</u> City: <u>Baytown</u> State: <u>Texas</u> ZIP: <u>77522-2149</u>					
<b>6. Total number of applications and patents involved: [1]</b>		<b>7. Total fee (37 CFR 1.41): <u>\$40.00</u></b>  <input checked="" type="checkbox"/> Authorized to be charged to deposit account			
<b>8. Deposit account number: <u>05-1712</u></b>					

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<u>Bradley A. Keller</u> Name of Person Signing	 Signature	<u>October 31, 2000</u> Date
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# ASSIGNMENT

INVENTOR or INVENTORS:

Teng Xu

Jeffrey L. White

In consideration of One Hundred Twenty-five Dollars (\$125.00) and other good and valuable consideration, the receipt of which is hereby acknowledged, the undersigned person(s) named above, herein referred to as UNDERSIGNED, hereby agree(s) as follows:

1) UNDERSIGNED hereby assign(s) to Exxon Chemical Patents Inc., a corporation of Delaware, its successors, legal representatives and assigns, herein referred to collectively as ASSIGNEE, the entire right, title and interest, for the United States and all foreign countries, in and to UNDERSIGNED'S invention or improvement and to all patent applications and patents covering same which is described in a patent application entitled

## CATALYST PRETREATMENT IN AN OXYGENATE TO OLEFINS REACTION SYSTEM,

said application having been executed on the 24th + 2nd day(s) of July + August 2000, and being further identified as Case No. 2000B009A; and all rights of priority created by said application under provisions of international conventions or treaties.

2) UNDERSIGNED agree(s) upon the request of ASSIGNEE to execute any and all applications for and documents relating to obtaining patents and the prosecution thereof for said invention or improvement, and any continuations of such applications or substitutes therefor or registrations thereof, and any specific separate assignments of any of the above required for recording in the United States Patent and Trademark Office and any foreign patent office that ASSIGNEE may deem necessary or expedient.

3) UNDERSIGNED agree(s) that in the event of any application based on said assigned invention or improvement, or patent issued thereon, or any reissue or application for the reissue thereof, becoming involved in priority of invention proceedings, UNDERSIGNED will cooperate with ASSIGNEE to the best of the ability of UNDERSIGNED in the matter of preparing and executing all documents and giving and producing evidence in support thereof.

4) UNDERSIGNED agree(s) to perform upon ASSIGNEE'S request any and all affirmative acts to obtain United States and foreign patents covering said invention or improvement and to vest all rights therein hereby conveyed to ASSIGNEE, as fully and as entirely as the same would have been held and enjoyed by UNDERSIGNED if this assignment and sale had not been made.

5) UNDERSIGNED hereby authorize(s) ASSIGNEE's attorney to insert at paragraph 1, in this instrument the date(s) on which UNDERSIGNED executed the Declaration for the above-referenced patent application.

IN WITNESS WHEREOF, this assignment has been executed by UNDERSIGNED on the date opposite UNDERSIGNED'S NAME.

DATE

08/02/00

Teng Xu

(LS)

Teng Xu, Inventor

Witness

DATE

7/26/2000

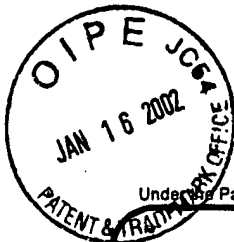
Jeffrey L. White

(LS)

Jeffrey L. White, Inventor

Witness

1754

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Approved for use through 10/31/2002. OMB 0851-0031  
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<b>TRANSMITTAL FORM</b> <i>(to be used for all correspondence after initial filing)</i>	Application Number	09/615,545	
	Filing Date	July 13, 2000	
	First Named Inventor	Teng Xu	
	Group Art Unit	1754	
	Examiner Name	Unknown	
Total Number of Pages in This Submission	5	Attorney Docket Number	EXMC.90856

ENCLOSURES <i>(check all that apply)</i>		
<input type="checkbox"/> Fee Transmittal Form <input type="checkbox"/> Fee Attached <input type="checkbox"/> Amendment / Reply <input type="checkbox"/> After Final <input type="checkbox"/> Affidavits/declaration(s) <input type="checkbox"/> Extension of Time Request <input type="checkbox"/> Express Abandonment Request <input type="checkbox"/> Information Disclosure Statement <input type="checkbox"/> Certified Copy of Priority Document(s) <input type="checkbox"/> Response to Missing Parts/Incomplete Application <input type="checkbox"/> Response to Missing Parts under 37 CFR 1.52 or 1.53	<input type="checkbox"/> Assignment Papers <i>(for an Application)</i> <input type="checkbox"/> Drawing(s) <input type="checkbox"/> Licensing-related Papers <input type="checkbox"/> Petition <input type="checkbox"/> Petition to Convert to a Provisional Application <input checked="" type="checkbox"/> Power of Attorney, Revocation Change of Correspondence Address <input type="checkbox"/> Terminal Disclaimer <input type="checkbox"/> Request for Refund <input type="checkbox"/> CD, Number of CD(s) _____	<input type="checkbox"/> After Allowance Communication to Group <input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences <input type="checkbox"/> Appeal Communication to Group <i>(Appeal Notice, Brief, Reply Brief)</i> <input type="checkbox"/> Proprietary Information <input type="checkbox"/> Status Letter <input type="checkbox"/> Other Enclosure(s) <i>(please identify below):</i>
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SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT	
Firm or Individual name	Shook, Hardy & Bacon LLP Richard D. Jordan #33,519
Signature	<i>Richard D. Jordan</i>
Date	12-13-01

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Typed or printed name	Teresa Dennis	
Signature	<i>Teresa Dennis</i>	Date: 12-13-01

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